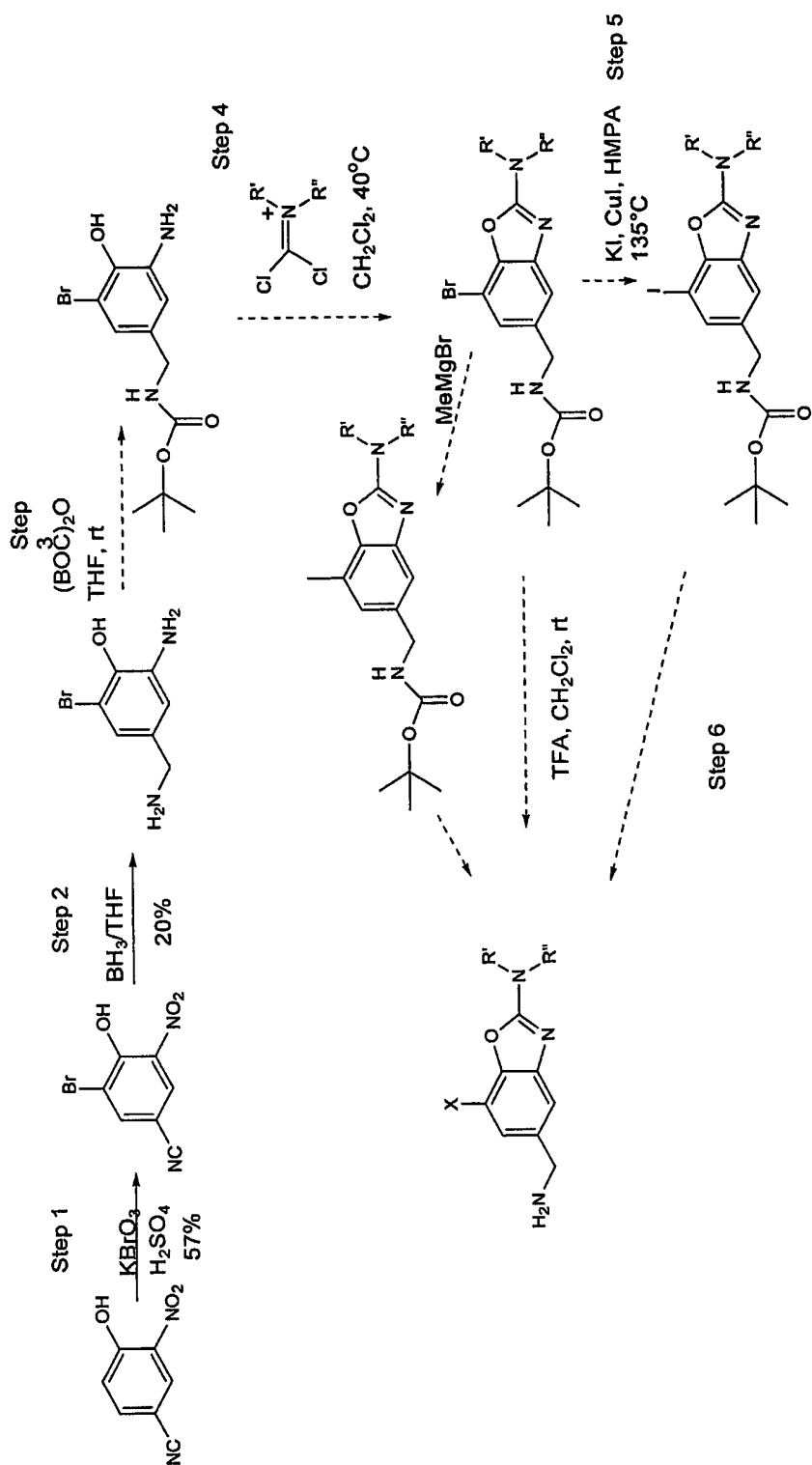
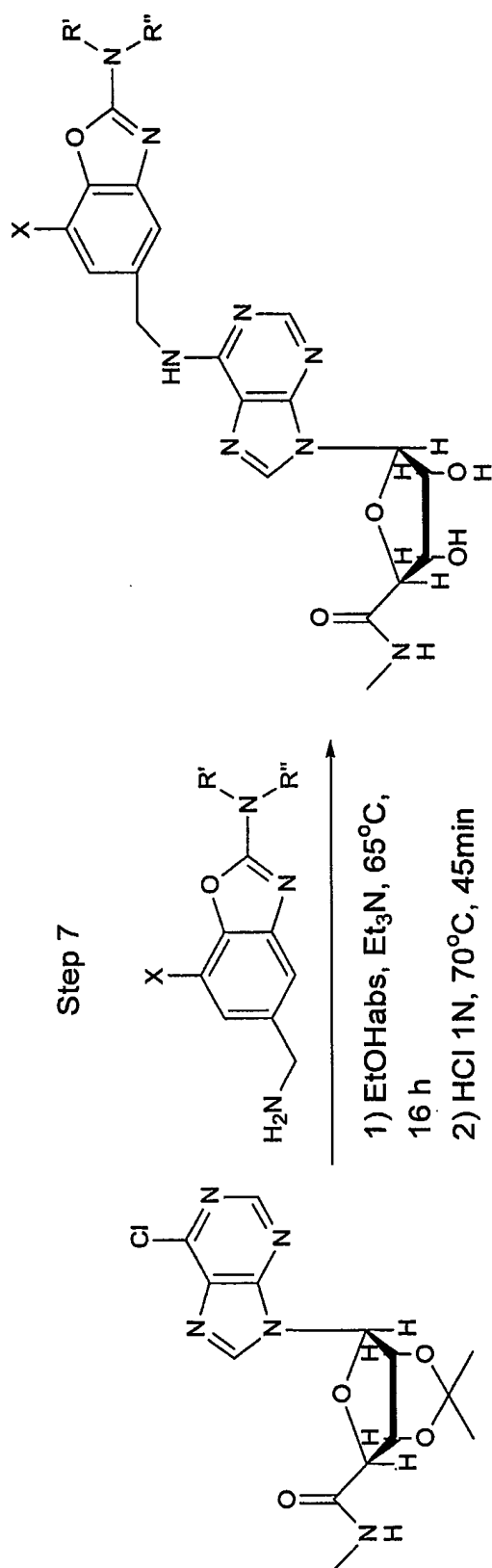


**Figure 2** Reaction scheme for the synthesis of the 2-alkenyl substituted compounds of the invention.



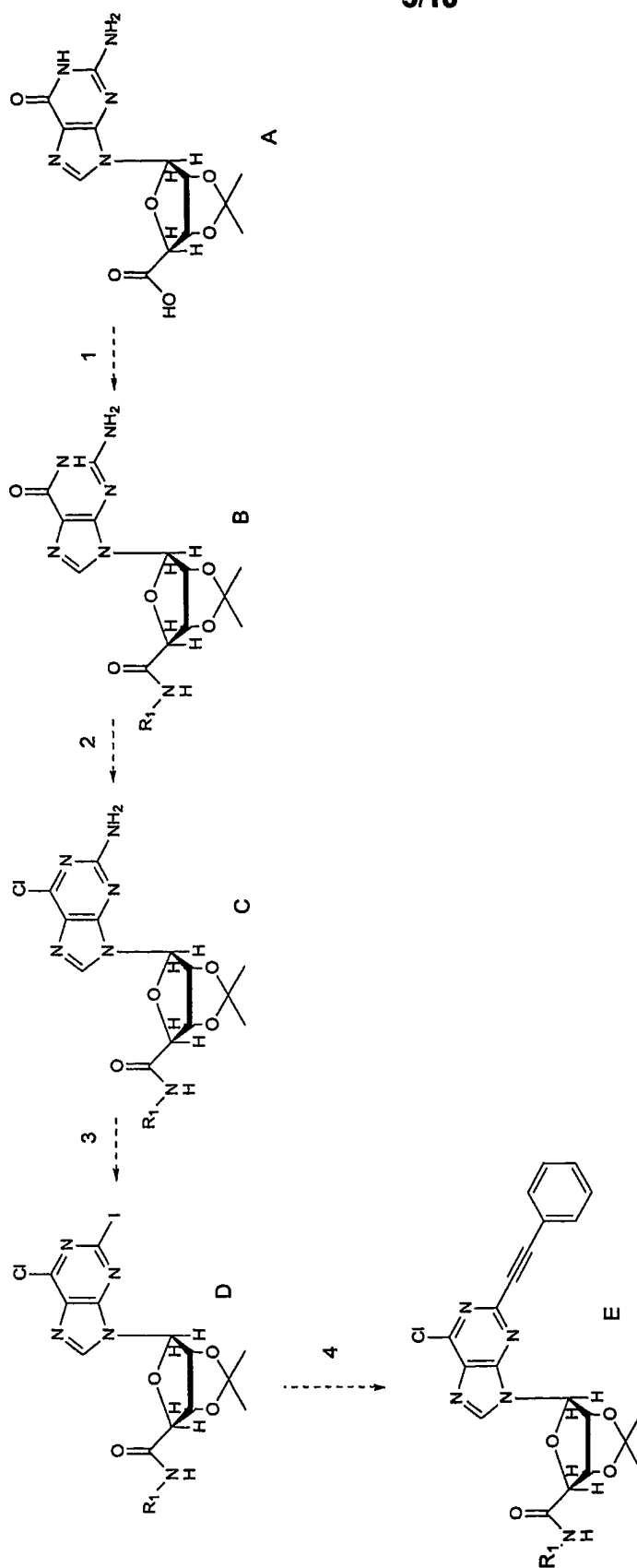
**Figure 3** Reaction scheme for synthesis of the benzoxazole reactant.

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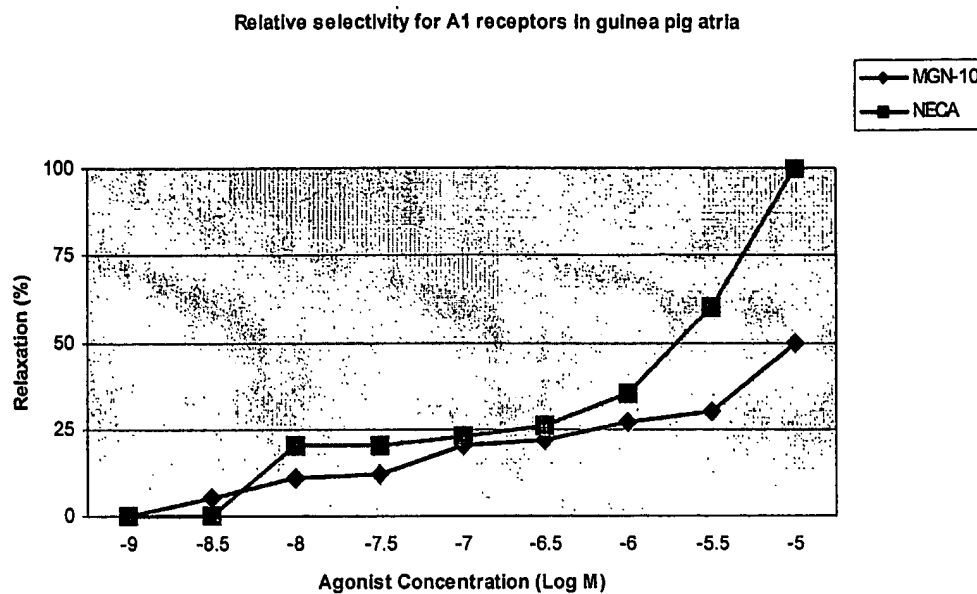
**Figure 4** Reaction scheme for the synthesis of compounds in accordance with the second embodiment of the invention.

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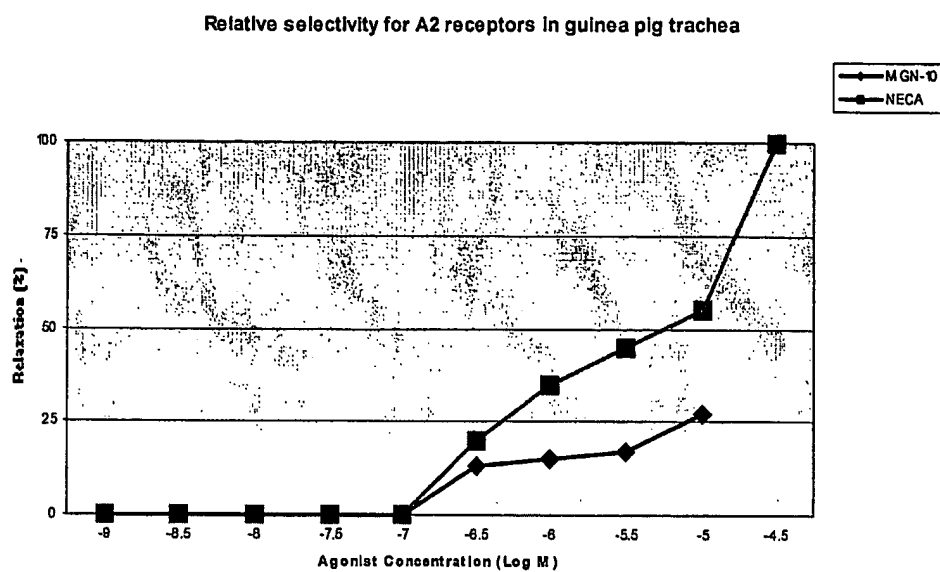
**Figure 5** Reaction scheme for synthesis of 2-alkynyl substituted compounds of the invention.

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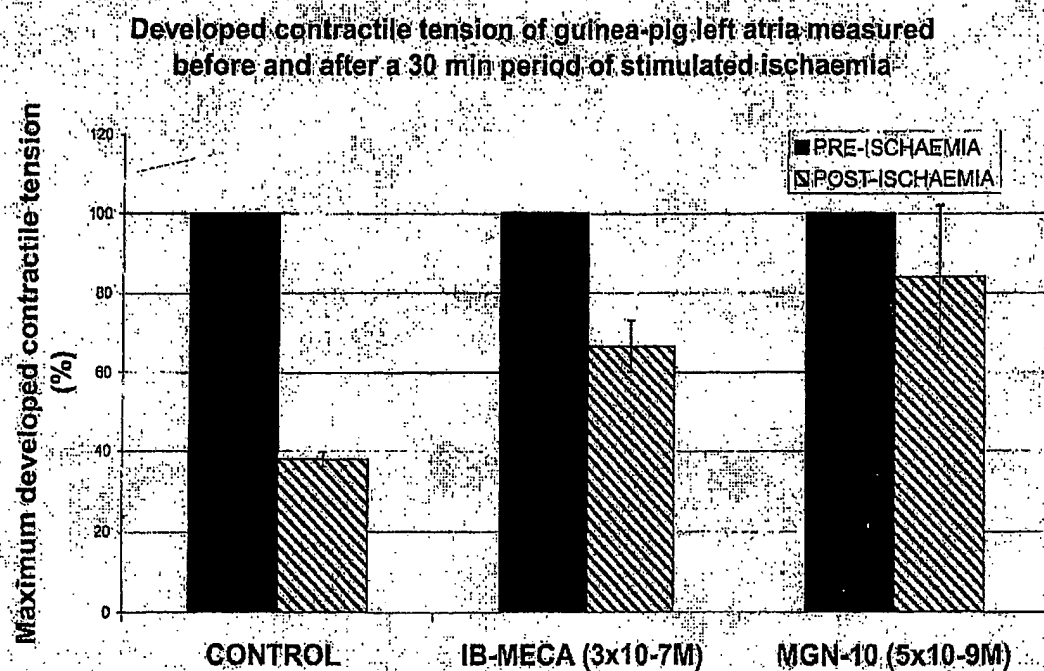
**Figure 6** Graph of percentage relaxation of guinea pig atria (precontracted with carbachol) against  $\log_{10}$  of concentration (M) of compound 6 (diamond) and IB-NECA (square) agonists.

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**Figure 7** Graph of percentage relaxation of guinea pig trachea (precontracted with carbachol) against  $\log_{10}$  of concentration (M) of compound 6 (diamond) and IB-NECA (square) agonists.

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**Figure 8** Developed contractile tension of guinea pig left atria measured before and after a 30 minute period of simulated ischaemia, with IB-MECA ( $3 \times 10^{-7}M$ ) and compound 6 ( $10^{-9}M$ ) introduced at the onset of regassing



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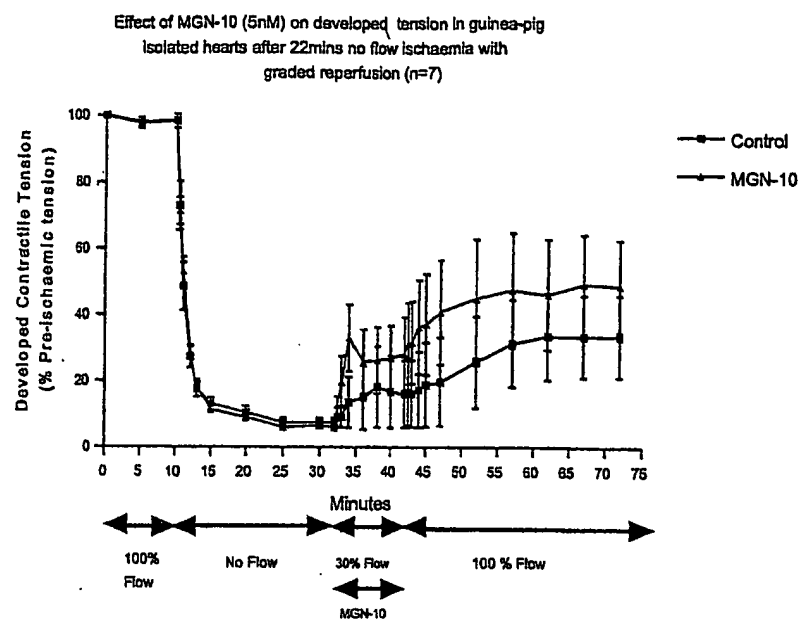


Figure 9

Effect of 17.5 mins no flow ischaemia on developed tension in isolated guinea-pig hearts after 2.5 mins pre-conditioning. Pulmonary artery had been cut.

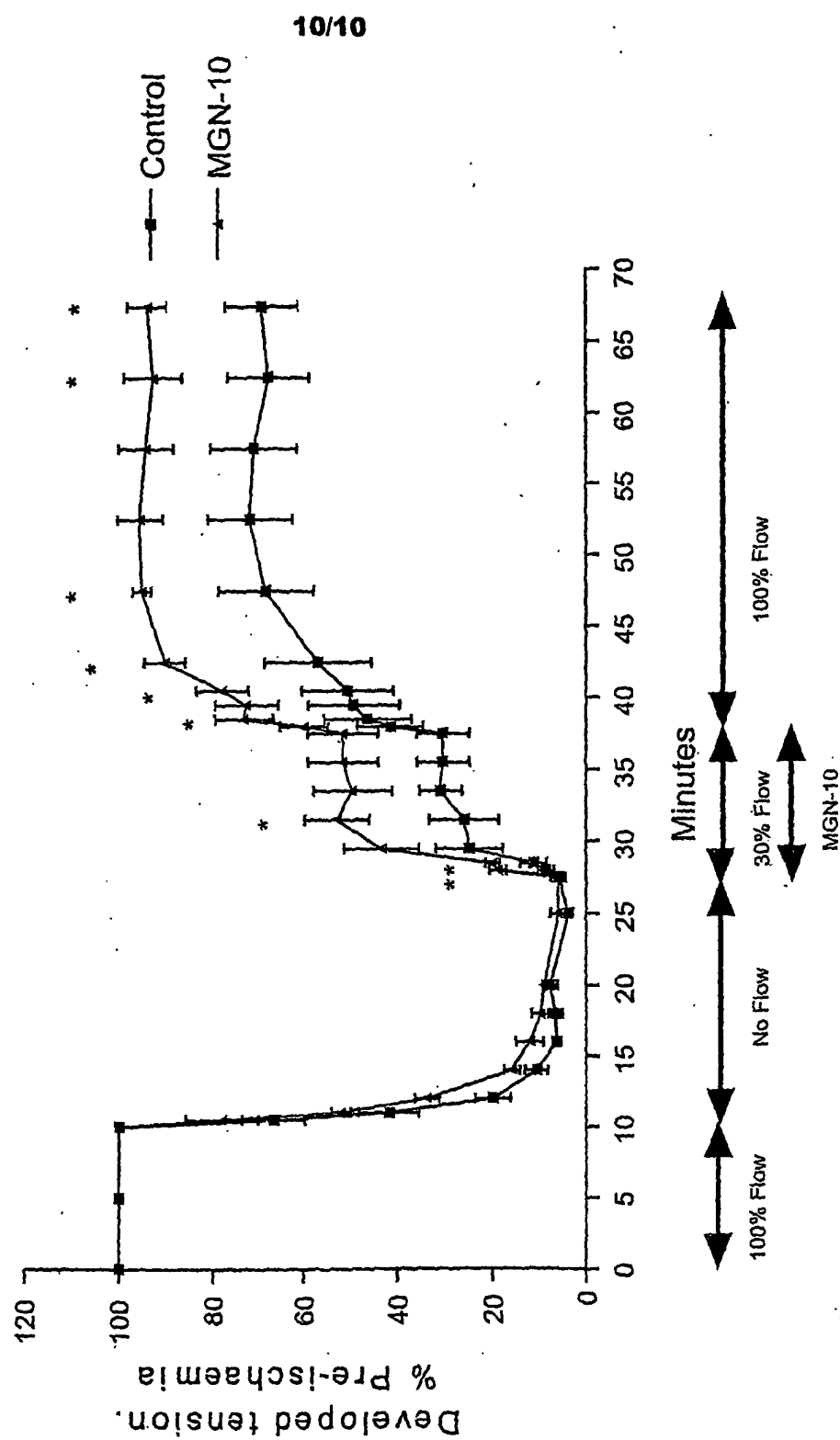


Figure 10